



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada
Tel (613) 632-5200

002674

D350-607-511
Job Sheet 176028



Part No: D350-607-511

Job Qty: 4 ea

Part Name: AS350/AS355 Quick Release Basket/Long Cargo Tube Mounting Provisions, Fits LH/RH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/16/18

Job Tracking No:

Due Date: 4/24/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV E IPP REV:A NEW ISSUE 10-06-28 JLM VERIFIED BY: LL IPP REV:B 13.12.30 PER RE.C
ECN13-672 DD VERF:RQ IPP REV:C 14.06.09 AS PER ECN14-572 DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter /Supplier	Lead Time	
90	Start up Operation	4 Ea	4/24/18	4/24/18	0.00	0.00	Start Up Stores/Pkg-2		MAY 08 2018
140	Packaging	4 pcs	4/24/18	4/24/18	0.00	0.00	Packaging1-3		MAY 09 2018
150	QC	4 pcs	4/24/18	4/24/18	0.00	0.00	QC4		
155	DC	4 pcs	4/24/18	4/24/18	0.00	0.00	DC		
160	Packaging	4 pcs	4/24/18	4/24/18	0.00	0.00	Packaging3-1		
170	QC21-FG	4 Ea	4/24/18	4/24/18	0.00	0.00	QC21		

Part Op 155 - Photocopy bluefile & type labels per PPP D350-607-511 CHG007

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN4-14A	Bolt	80 Ea (20 ea)	90-Start up Operation	5027723x45 5044731x30
AN4-42A	Bolt	16 Ea (4 ea)	90-Start up Operation	5045843
AN6-13A	Bolt	8 Ea (2 ea)	90-Start up Operation	5044187x1 5053948x4
D3501-1	Bushing	32 Ea (8 ea)	90-Start up Operation	7165383x19
D3910-3	Crosstube Lug	8 Ea (2 ea)	90-Start up Operation	5056814x3 5038200x1
D3910-5	Crosstube Lug	4 Ea (1 ea)	90-Start up Operation	5056818
D3910-7	Crosstube Lug	4 Ea (1 ea)	90-Start up Operation	5049100
D3984	Rubber Extrusion, Crosstube (\$ Per Foot)	8 Ea (2 ea)	90-Start up Operation	5044648x4
D4148-041	Fwd Crosstube Lug Assembly	4 Ea (1 ea)	90-Start up Operation	5055991x1 5057621x
D4149-041	Aft Crosstube Lug Assembly	4 Ea (1 ea)	90-Start up Operation	5060322x4
D4775-041	Strut Assembly	8 Ea (2 ea)	90-Start up Operation	5058027x4 5060869x4
D4776-3	Skidtube Clevis	8 Ea (2 ea)	90-Start up Operation	5069628
MS21042L4	Nut	96 Ea (24 ea)	90-Start up Operation	5045901
MS21042L6	Nut	8 Ea (2 ea)	90-Start up Operation	5034399
NAS1149F0432P	Washer	160 Ea (40 ea)	90-Start up Operation	5050055
NAS1149F0663P	Washer	16 Ea (4 ea)	90-Start up Operation	5051477
D4085-3	Placard	4 Ea (1 ea)	90-Start up Operation	5046330 5069184
D4713-1	Spacer	4 Ea (1 ea)	90-Start up Operation	5044152
MS3367-5-0	Tie Wrap	4 Ea (1 ea)	90-Start up Operation	5050161

Job Allocations

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																																																											
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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL : 1-813-632-5200 Email: sales@dartaero.com www.dartaerospace.com Date: 05/08/18		Lead hand / Supervisor Approval Verification																																																																																																											
DART AEROSPACE Container No: S069391 Part: D350-607-511 Job No: 176028 Serial No/Batch: S069391 Revision: _____ Inspector: _____ Date: 05/08/18		QC / QA Coordinator Approval																																																																																																											
Root Cause <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Environment</td> <td style="width: 5%;">☐</td> <td style="width: 15%;">No Re-verification</td> <td style="width: 5%;">☐</td> </tr> <tr> <td>Design</td> <td>☐</td> <td>Operator</td> <td>☐</td> </tr> <tr> <td>Doc/Data</td> <td>☐</td> <td>Offset/Setup</td> <td>☐</td> </tr> <tr> <td>Equip/Tooling</td> <td>☐</td> <td>Supplier</td> <td>☐</td> </tr> <tr> <td>Handling/Pre</td> <td>☐</td> <td>Training</td> <td>☐</td> </tr> <tr> <td>Material</td> <td>☐</td> <td>Use for Testing</td> <td>☐</td> </tr> <tr> <td>Internal Transport</td> <td>☐</td> <td>Poor Information</td> <td>☐</td> </tr> <tr> <td>Tribal Knowledge</td> <td>☐</td> <td>Rushing</td> <td>☐</td> </tr> <tr> <td>LOA</td> <td>☐</td> <td>Product Improvement</td> <td>☐</td> </tr> <tr> <td>Substation</td> <td>☐</td> <td>Process Improvement</td> <td>☐</td> </tr> <tr> <td>Past Expiry Date</td> <td>☐</td> <td>Manufacturing Process</td> <td>☐</td> </tr> <tr> <td>Misidentified</td> <td>☐</td> <td>Past Due</td> <td>☐</td> </tr> </table>		Environment	☐	No Re-verification	☐	Design	☐	Operator	☐	Doc/Data	☐	Offset/Setup	☐	Equip/Tooling	☐	Supplier	☐	Handling/Pre	☐	Training	☐	Material	☐	Use for Testing	☐	Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐	LOA	☐	Product Improvement	☐	Substation	☐	Process Improvement	☐	Past Expiry Date	☐	Manufacturing Process	☐	Misidentified	☐	Past Due	☐	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">☐</td> <td style="width: 15%;">Positioned Wrong</td> <td style="width: 15%;">☐</td> <td style="width: 15%;">Broken/Damage/Defect</td> <td style="width: 15%;">☐</td> <td style="width: 15%;">Weld</td> <td style="width: 15%;">☐</td> <td style="width: 15%;">Outside Dimensions</td> </tr> <tr> <td>☐</td> <td>Over/Under tolerance</td> <td>☐</td> <td>Inspection Incomplete/Unqualified</td> <td>☐</td> <td>Wrong Stock Pulled</td> <td>☐</td> <td>Part Incorrect</td> </tr> <tr> <td>☐</td> <td>Part Lost/Missing</td> <td>☐</td> <td>Contamination</td> <td>☐</td> <td>Out of Sequence</td> <td>☐</td> <td>Part Moved</td> </tr> <tr> <td>☐</td> <td>Drawing</td> <td>☐</td> <td>Countersink</td> <td>☐</td> <td>Off-set</td> <td>☐</td> <td>Finish</td> </tr> <tr> <td>☐</td> <td>Misread</td> <td>☐</td> <td>Cut Too Short</td> <td>☐</td> <td>Mislabeled</td> <td>☐</td> <td>Turning Sequence</td> </tr> <tr> <td>☐</td> <td></td> <td>☐</td> <td>Instructions Incomplete/Unclear</td> <td>☐</td> <td>Fit/Function</td> <td>☐</td> <td></td> </tr> <tr> <td>☐</td> <td></td> <td>☐</td> <td>Drill Holes</td> <td>☐</td> <td>Misaligned/off center</td> <td>☐</td> <td></td> </tr> </table>				☐	Positioned Wrong	☐	Broken/Damage/Defect	☐	Weld	☐	Outside Dimensions	☐	Over/Under tolerance	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Incorrect	☐	Part Lost/Missing	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐	Drawing	☐	Countersink	☐	Off-set	☐	Finish	☐	Misread	☐	Cut Too Short	☐	Mislabeled	☐	Turning Sequence	☐		☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐		☐		☐	Drill Holes	☐	Misaligned/off center	☐	
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OTHER : _____																																																																																																													

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN4-14A	80	101	0
	AN4-42A	16	65	0
	AN6-13A	8	51	0
	D3501-1	32	62	0
	D3910-3	8	31	0
	D3910-5	4	30	0
	D3910-7	4	41	0
	D3984	8	3	0
	D4085-3	4	23	0
	D4148-041	4	11	0
	D4149-041	4	11	0
	D4713-1	4	14	0
	D4775-041	8	4	0
	D4776-3	8	0	0
	MS21042L4	96	3,251	0
	MS21042L6	8	384	0
	MS3367-5-0	4	803	0
	NAS1149F0432P	160	2,245	0
	NAS1149F0663P	16	983	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					



Dart Aerospace Ltd.
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K6A 1K7
Canada

Tel (613) 632-5200

Container View (Active) - Master Unit Containers

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
002674	S014731	AN4-14A	Bolt		ST344	30
002674	S027723	AN4-14A	Bolt		ST344	45
002674	S063302	AN4-14A	Bolt	S000663	ST344	5
002674	S063303	AN4-42A	Bolt	s045843	ST341	16
002674	S044187	AN6-13A	Bolt		ST335	1
002674	S063307	AN6-13A	Bolt	s053948	ST335	7
002674	F165383	D3501-1	Bushing		ST038	19
002674	S038200	D3910-3	Crosstube Lug	S038201	ST523	1
002674	S063285	D3910-3	Crosstube Lug	S056814	ST523	7
002674	S063284	D3910-5	Crosstube Lug	S056818	ST524	4
002674	S063283	D3910-7	Crosstube Lug	S049100	ST524	4
002674	S044648	D3984-030	Rubber Extrusion, X-tube, 3"	S044646	ST064	4
002674	S063280	D3984-030	Rubber Extrusion, X-tube, 3"	S059661	ST064	28
002674	S063279	D4085-3	Placard	S046330	ST074	4
002674	S055991	D4148-041	Fwd Crosstube Lug Assembly	F164439	ST539	1
002674	S063278	D4148-041	Fwd Crosstube Lug Assembly	S057621	ST539	3
002674	S060322	D4149-041	Aft Crosstube Lug Assembly	S060285	ST539	4
002674	S063277	D4713-1	Spacer	S044152	ST111	4
002674	S063274	MS21042L4	Nut	s045901	ST303	96
002674	S063272	MS21042L6	Nut	s034399	ST303	8
002674	S063271	MS3367-5-0	Tie Wrap	S050161	ST272	4
002674	S063270	NAS1149F0432P	Washer	s050055	ST262	160
002674	S063269	NAS1149F0663P	Washer	s051477	ST262	16

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

Plex 4/20/18 2:02 PM Dart.joly.jocelyne

PAGE 1 OF 1

Description: QUICK RELEASE BASKET MOUNTING

H:\Forms\Engineer\Approved Eng Online\CHGREC revB

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework Scrap Use-as-is Suspected Unapproved		AGAINST DEPARTMENT/PROCESS Skid-tube Machining Thermoforming Large Fab Cross tube Small Fab Finishing Composite Water Jet Prod. Eng. Coord. Rec/Store/Packaging Supplier Engineering Quality Other					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause Environment Design Doc/Data Equip/Tooling Handling/Pre Material Internal Transport Tribal Knowledge LOA Substation Past Expiry Date Misidentified No Re-verification Operator Offset/Setup Supplier Training Use for Testing Poor Information Rushing Product Improvement Process Improvement Manufacturing Process Past Due		FAULT CATEGORY Pressure/Forced Bending Centre Not Concentric Cracks Crimp/Kink/Ripple/Wave Cuffs Crushing Heat Treat Wave/Twist in Tube Marks/Chatter Temperature/Cure Set-up BOM/Route Broken/Damage/Defect Inspection Incomplete/Unqualified Contamination Countersink Cut Too Short Instructions Incomplete/Unclear Drill Holes Power Loss/Surge Folio/Program Grain Weld Wrong Stock Pulled Out of Sequence Off-set Mislabeled Fit/Function Misaligned/off center Positioned Wrong Outside Dimensions Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved Drawing Finish Misread Turning Sequence							
		OTHER :							

REFERENCE ONLY

5.0 PARTS LIST

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET
	X					D350-607-543	HELI-UTILITY-BASKET
		X				D350-607-545	HELI-UTILITY-BASKET
			X			D350-607-547	HELI-UTILITY-BASKET
1	1	1	1	X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT
					X	D350-607-501	CONVERSION KIT
1	1	1	1		1	D2690-6	LANYARD
				8	8	D3501-1	BUSHING
				2	2	D3910-3	X-TUBE LUG
				1	1	D3910-5	X-TUBE LUG
				1	1	D3910-7	X-TUBE LUG
1	1	1	1		1	D3912-041	EYEBOLT RECEIVER ASSY
				8	8	D3984-030	RUBBER EXTRUSION, X-TUBE
1						D4030-041	LONG BASKET ASSY
	1					D4030-043	LONG BASKET ASSY, LIGHTWEIGHT
		1				D4032-041	SHORT BASKET ASSY
			1			D4032-043	SHORT BASKET ASSY, LIGHTWEIGHT
1					1	D4917-300	PLACARD, MAX LOAD
1						D4086-200	PLACARD, MAX LOAD
	1				1	D4917-315	PLACARD, MAX LOAD
	1					D4086-215	PLACARD, MAX LOAD
		1			1	D4917-320	PLACARD, MAX LOAD
		1				D4086-220	PLACARD, MAX LOAD
			1		1	D4917-332	PLACARD, MAX LOAD
1	1	1	1	1	1	D4085-3	PLACARD, INSTRUCTIONS
			1			D4086-232	PLACARD, MAX LOAD
				1	1	D4148-041	FWD X-TUBE LUG ASSY
				1	1	D4149-041	AFT X-TUBE LUG ASSY
1	1	1	1		1	D4150-041	ATTACHMENT ARM ASSY
1	1	1	1		1	D4151-041	BASKET FWD HARDPOINT ASSY (LOWER)
1	1	1	1		1	D4151-043	BASKET FWD HARDPOINT ASSY (UPPER)
				1	1	D4713-1	SPACER
				2	2	D4775-041	STRUT ASSEMBLY
				2	2	D4776-3	SKIDTUBE CLEVIS
6	6	6	6		6	AN4-13A	BOLT
				20	22	AN4-14A	BOLT
				4	4	AN4-42A	BOLT
1	1	1	1		1	AN4C15	BOLT
1	1	1	1		1	AN310C4	CASTELLATED NUT
				2	2	AN6-13A	BOLT
1	1	1	1		1	MS17984-C413	QUICK RELEASE PIN
6	6	6	6	24	32	MS21042L4	NUT (OR MS21042-4)
				2	2	MS21042L6	NUT
1	1	1	1		1	MS24665-151	COTTER PIN
				1	1	MS3367-5-0	TIE WRAP
2	2	2	2		2	NAS1515H4L	WASHER
12	12	12	12	40	56	NAS1149F0432P	WASHER
3	3	3	3		3	NAS1149C0463R	WASHER
				4	4	NAS1149F0663P	WASHER

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Revision: E

Date: 16.11.25